



PTO/SB/08A (07-05)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet ONE (1) of THREE (3)

Complete if Known

Application Number	10/736,925
Filing Date	12/16/2003
First Named Inventor	DAVID A. CULP
Art Unit	3643
Examiner Name	TIMOTHY D. COLLINS

Attorney Docket Number 21604

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
		US- 2003/0140835 A1	07/31/2002	Wrage	Figs. 1 - 20
		US- 5,355,817	10/18/1994	Schrems	Abstract
		US- 5,642,683	07/01/1997	Bedford	Fig. 1
		US- 4,497,272	02/05/1985	Veazey	Figs. 1 - 4
		US- 5,033,698	07/23/1991	Schimmelpfennig	Figs. 1 - 9
		US- 4,708,078	11/24/1987	Legaignoux	Figs. 1 - 10
		US- 4,296,704	10/27/1981	Bridge	Figs. 1 - 6
		US- 4,129,272	12/12/1978	Jones, et al.	Figs. 1 - 7
		US- 3,720,180	03/13/1973	Strangeland	Figs. 1 - 5
		US- 3,356,059	12/05/1967	Ross	Fig. 1
		US- 4,722,497	02/02/1988	Stanford	Fig. 1
		US- 5,366,182	11/22/1994	Roesler, et al.	Fig. 1
		US- 2003/0132348	07/17/2003	Lynn	Fig. 1; Abstract
		US- 3,285,546	11/15/1966	Jalbert	Fig. 1
		US- 2,737,360	03/06/1956	Allison	Fig. 1
		US- 2,751,172	06/19/1956	Rogallo, et al.	Fig. 1
		US- 2,546,078	11/23/1948	Rogallo, et al.	Figs. 1 - 6
		US- 4,363,458	12/14/1982	Jones, et al.	Figs. 1- 4
		US- 3,558,087	06/26/1971	Barish	Fig. 1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
		WO99/59866	11/25/1999	Lynn	Abstract	
		GB 2,098,948	12/01/1982	Duckworth, et al.	Abstract	
		GB 2,098,949	12/01/1982	Duckworth, et al.	Abstract	
		GB 2,098,950A	12/01/1982	BP	Abstract	
		GB 2,098,951A	12/01/1982	BP	Abstract	
		WO 01/58755A1	08/16/2001	Lynn	Abstract	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/736,925
		Filing Date	12/16/2003
		First Named Inventor	DAVID A. CULP
		Art Unit	3643
		Examiner Name	TIMOTHY D. COLLINS
Sheet	TWO (2)	of	THREE (3)
		Attorney Docket Number	

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 2002/18202 A1	03/07/2002	Lundgren	Abstract	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO				<i>Complete if Known</i>	
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				Art Unit	3643
				Examiner Name	TIMOTHY D. COLLINS
Sheet	3	of	3	Attorney Docket Number	21604

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		http://www.nyke.org/Play_Sail_Workshop.htm			
		http://www.npw5.com			
		http://home.swipnet.se/tels_place/ESP1_2/ESP_Mod2.html			
		http://home.swipnet.se/tels_place/Tug_ESP_3/ESP_Mod3.html			
		http://mathworld.wolfram.com/Discontinuity.html			
		http://mathworld.wolfram.com/BranchCut.html			
		IACC rule vers 4			
		ISAF Equipment Rules of Sailing			

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)
Complete if Known

Application Number	10/736,925
Filing Date	12/16/2003
First Named Inventor	DAVID A. CULP
Examiner Name	TIMOTHY D. COLLINS
Art Unit	3643
Attorney Docket No.	11503

METHOD OF PAYMENT (check all that apply)
 Check Credit Card Money Order None Other (please identify): _____

 Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input type="checkbox"/> Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEESFee Description

Each claim over 20 (including Reissues)

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Small Entity</u>
- 20 or HP =	x	=	50	25

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>
- 3 or HP =	x	=	200	100

Multiple dependent claims
Total Claims Extra Claims Fee (\$) Fee Paid (\$)
- 20 or HP = x =
HP = highest number of total claims paid for, if greater than 20.
Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)
- 3 or HP = x =
HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Fee for Filing Invention Disclosure Statement [37 CFR 1.17(p)]

Fees Paid (\$)

180.00

SUBMITTED BY

Signature	/CHARLES L. THOEMING/	Registration No. (Attorney/Agent) 43,951	Telephone 925.288.9720
Name (Print/Type)	CHARLES L. THOEMING		Date 14 SEPT. 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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